

FIG. 1**NUCLEOTIDE AND AA SEQUENCE**

Nucleic acid sequence of Protease T (SEQ.ID.NO.:1)

GACCACGGCCCTGCGCCCCAGCCAGGCCTGAGGACATGAGGCGGCCGGCGCGGTGCCGC
 TCCTGCTGCTGCTGTGT'TTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTCCGC
 CCAGGATGCTGAACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGC
 AAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGT
 GGGTCCTGACGGCTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCCTGTACCAGGTCC
 TGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCCGGGTGAGGC
 AGGTGGAGAGCAACCCCTGTACCAGGGCACGGCCTCCAGCGCTGACGTGGCCCTGGTGG
 AGCTGGAGGCACCAAGTGCCCTTACCAATTACATCCTCCCCGTGTGCCTGCCTGACCCCT
 CGGTGATCTTTGAGACGGGCATGAACTGCTGGGTCACTGGCTGGGGCAGCCCCAGTGAGG
 AAGACCTCCTGCCCCGAACCGCGGATCCTGCAGAACTCGCTGTGCCCATCATCGACACAC
 CCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGTTTGGCTACCAACCCAAAACCATCA
 AGAATGACATGCTGTGCGCCGGCTTCGAGGAGGGCAAGAAGGATGCCTGCAAGGGCGACT
 CGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAGTCTGGCTGCAGGCGGGGGTGATCAGCT
 GGGGTGAGGGCTGTGCCCCGCCAGAACC GCCCAGGTGTCTACATCCGTGTACCGCCACC
 ACAACTGGATCCATCGGATCATCCCCAACTGCAGTTCCAGCCAGCGAGGTTGGGCGGCC
 AGAAGTGAGACCCCCGGGGCCAGGAGCCCCCTTGAGCAGAGCTCTGCACCCAGCCTGCCCCG
 CCCACACCATCCTGCTGGTCCCTCCCAGCGCTGCTGTTGCACCTGTGAGCCCCACCAGACT
 CATTTGTAAATAGCGCTCCTTCCCTCCCCTCTCAAATACCCTTATTTTATTTATGTTTCTC
 CCAATAAAAACCCAGCCTGTGTGCCAGCTG

>Amino Acid Sequence of Protease T (SEQ.ID.NO.:7)

MRRPAAVPLLLLLCFGSQRAKAATACGRPRMLNRMVGGQDTQEGEWPWQVSIQRNGSHFC
 GGSLIAEQWLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAMYARVRQVESNPLYQGTA
 SSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGWGSPSEEDLLPEPRILQK
 LAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKDACKGDSGGPLVCLVGQS
 WLQAGVISWGEGCARQNRPGVYIRVTAHHNWIHRIIPKLQFQPARLGGQK

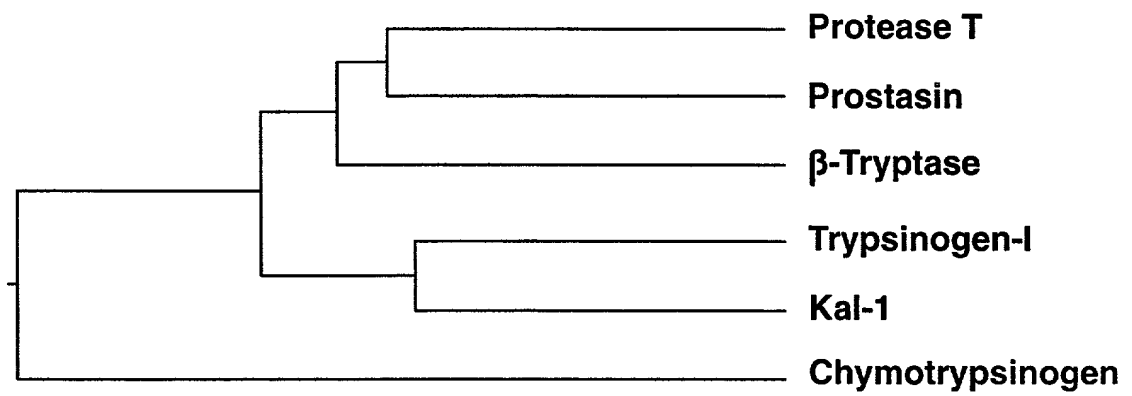
FIG. 2

FIG. 3

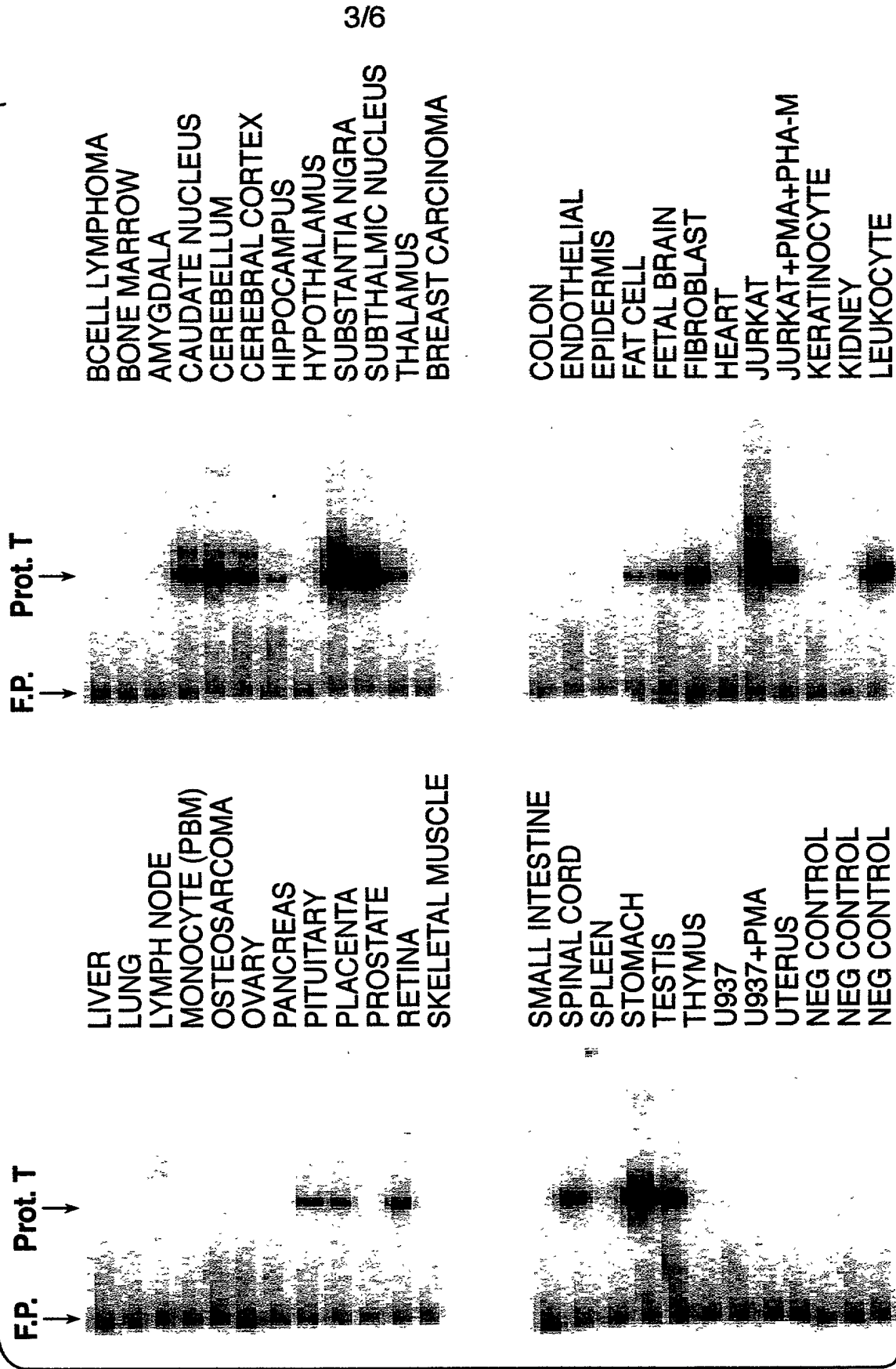


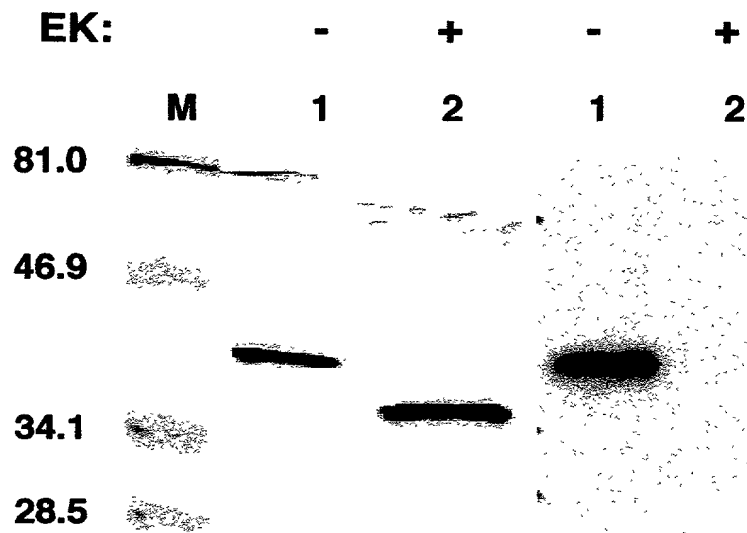
FIG. 4**FUSION PROTEIN**

Nucleic Acid sequence of PFEK-PROTT-HIS fusion protein
(SEQ.ID.NO.:8).

GAATTCACCACCATGGACAGCAAAGGTTTCGTCGCAGAAATCCCGCCTGCTCCTGCTGCTG
GTGGTGTCAAATCTACTCTTGTGCCAGGGTGTGGTCTCCGACTACAAGGACGACGACGAC
GTGGACGCGGCCGCTCTTGCTGCCCCCTTTGATGATGATGACAAGATCGTTGGGGGCTAT
GCTCTAGAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTC
TGCGGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTTCCGCAAC
ACCTCTGAGACGTCCCTGTACCAGGTCTGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGA
CCACACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGCAGC
GCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAGTGCCCTTCACCAATTAC
ATCCTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGG
GTCAGTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCGAACCGCGGATCCTGCAG
AAACTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACC
GAGTTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAG
GGCAAGAAGGATGCCTGCAAGGGCGACTCGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAG
TCGTGGCTGCAGGCGGGGGTGATCAGCTGGGGTGAGGGCTGTGCCCGCCAGAACCGCCCA
GGTGTCTACATCCGTGTACCGCCCAACCAACTGGATCCATCGGATCATCCCCAACTG
CAGTTCCAGCCAGCGAGGTTGGGCGGCCAGAACTTAGACATCACCATCACCATCACTAG
CGGCCGCTTCCCTTTAGTGAGGGTTAATGCTTCGAGCAGACATGATAAGATACATTGATG
AGTTTGGAACAACCAACTAGAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTG
ATGCTATTGCTTTATTTGTAACCATTTATAAGCTGCAATAAACAAGTTGAC

Amino Acid sequence of PFEK-PROTT-HIS fusion protein
(SEQ.ID.NO.:9).

MDSKGSSQKSRLLLLLLVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYALEE
GEWPWQVSIQRNGSHFCGGSLLAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM
YARVRQVESNPLYQGTASSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGW
GSPSEEDLLPEPRILQKLAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKGD
ACKGDSGGPLVCLVGQSWLQAGVISWGEQCARQNRPGVYIRVTAHHNWIHRIIPKLQFQP
ARLGGQKSRHHHHHH

FIG. 5

Protease: PFEK-Protease T-HIS

FIG. 6**Protease Activity of Protease T**

- H-D-Pro-HHT-Arg-pNA
▤ H-D-Lys(CBO)-Pro-Arg-pNA
▨ H-DL-Val-Leu-Arg-pNA

